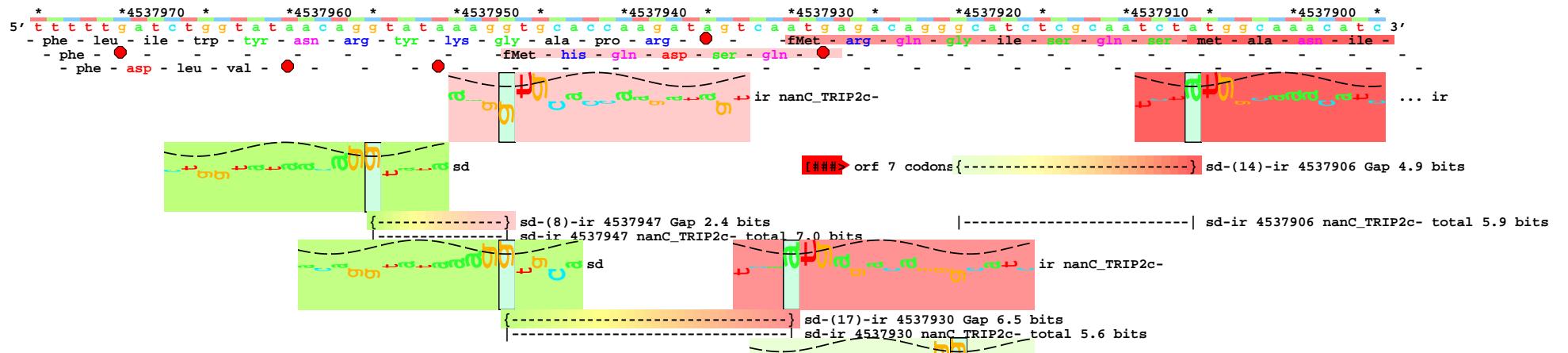


- 1 -  
- 1 - 4537505

piece 1, NC\_000913, nanC\_TRIP2c-, config: linear, direction: -, begin: 4537975, end: 4537505



5' \*acttcatgtttccatcggttgtaaaaacgtttcagttctgaaatgtatggaaatgtatcaacagacatccat\* 4537890 \*      \* 4537880 \*      \* 4537870 \*      \* 4537860 \*      \* 4537850 \*      \* 4537840 \*      \* 4537830 \*      \* 4537820 \*

- thr - ser - val - le

```
[###]> orf 31 codons
```

The diagram illustrates the *nanC*(*TRIP2c*) operon. It features two promoters: a *P<sub>nd</sub>* promoter at the top and an *P<sub>sd</sub>* promoter below it. The *P<sub>nd</sub>* promoter is preceded by a red dashed box labeled "nd". Transcription starts at the *P<sub>nd</sub>* promoter, indicated by a green arrow pointing right. A green box labeled "sd" is positioned between the *P<sub>nd</sub>* and *P<sub>sd</sub>* promoters. The *P<sub>sd</sub>* promoter is preceded by a red dashed box labeled "sd". Transcription continues from the *P<sub>nd</sub>* start site, indicated by a blue arrow pointing right. Two RNA molecules are shown: a long, multi-colored RNA (red, green, yellow, orange) representing the primary transcript, and a shorter, solid red RNA representing the mature *nanC* mRNA. The mature mRNA is transcribed from the *P<sub>nd</sub>* start site and ends at the *P<sub>sd</sub>* start site. The primary transcript is transcribed from the *P<sub>nd</sub>* start site and ends at the end of the mature mRNA.

Sequence logo plot showing conservation across four sequence alignments:

- Position 4537841: sd-(4)-ir, Gap 9.3 bits
- Position 4537835: sd-(10)-ir, Gap 2.7 bits; sd-ir, Gap 12.8 bits
- Total sequence length: 4537798 bits

\* 4537810 \* \* 4537800 \* \* 4537790 \* \* 4537780 \* \* 4537770 \* \* 4537760 \* \* 4537750 \* \* 4537740 \*

= -fMet = thr = le

 p10 7.6 bits

